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OM nucleic - nucleic search, using sw model

Run on: May 3, 2004, 17:03:47 ; Search time 2100 Seconds
(without alignments)

Title: US-09-483-184A-1

Perfect score: 8253

Sequence: 1 tcttagagtccaaatgtgcatt.....gttcccttgttgtatctttaga 8253

Scoring table: OLIGO_NUC

Gapext 60.0 , Gapext 60.0

Searched: 2936184 seqs, 2261732022 residues

Word size : 0

Total number of hits satisfying chosen parameters: 5872368

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Published Applications NA:*

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- 2: /cgns_6/picodata/2/pubnra/PCT_NEW_PUB.seq:*
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- 19: /cgns_6/picodata/2/pubnra/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	4650	56.3	23524	16	US-10-085-117-268	Sequence 268, App
2	2937	35.6	3934	10	US-09-950-106-637	Sequence 637, App
3	2937	35.6	3934	13	US-10-236-192-11	Sequence 11, App
4	2818	34.1	3946	13	US-10-0-57-573-1	Sequence 1, App
5	1866	22.6	3953	16	US-10-443-108-7	Sequence 7, App
6	1626	19.7	6012	10	US-09-071-429B-21	Sequence 21, App
7	1626	19.7	6012	14	US-10-002-600-43	Sequence 43, App
8	1344	17.4	2430	16	US-10-085-117-269	Sequence 269, App
9	679	16.3	2875	15	US-10-247-671-28	Sequence 28, App
10	679	8.2	1053	16	US-10-085-117-270	Sequence 270, App
c 11	433	5.2	624	9	US-09-796-692-8824	Sequence 8824, App
c 12	433	5.2	624	16	US-10-040-862-8824	Sequence 8824, App
c 13	433	5.2	624	16	US-10-154-884B-8824	Sequence 8824, App
c 14	433	5.2	624	16	US-10-154-884B-8824	Sequence 8824, App

ALIGMENTS

RESULT 1

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; Sequence 268, Application US/10085117
; Publication No. US200302233411
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: OM COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: 529452000121
; CURRENT APPLICATION NUMBER: US/10/085.117
; CURRENT FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: US 2001-03-02
; PRIORITY FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 361
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 268
; LENGTH: 23524
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variation
; LOCATION: (1)::(23524)
; OTHER INFORMATION: n = any nucleotide
US-10-085-117-268

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8504	GCAAAGCCATCGATCCCCCTGTGACTTGCCTGCACTGATGAACTG	8563
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DB	TTCGGCCCACTGAACTGTCACTGAACTTGAATGAACTTGATTTG	8623
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QY	TAATCCAGTACTCGGACCTGAGGTACCTGAACTGGAAAGCTG	900
DB	TAATCCAGTACTCGGACCTGAGGTACCTGAACTGGAAAGCTG	9164
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Db	1236	CAAGTGGCAAGGAGTTATGGCTAACAGATAATACTATGGAGAGTGTCCCATTG	1295	
Qy	4067	ATTGAGAGTGTGACTGTCGTAAGGAAAGCAAGTCAAGATAATACTATGGAGAGTGTCCCATTG	4126	
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Qy	4127	TGGGAGGTATGGAGGAGGAAAGCTTGTAGATTTAGTGAAGTGTGAGGAGAAAGCTTA	4186	
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Qy	4727	CAGTTCTGAACTGTTACAGACGAAATTGATGTGTAACTCTACAGCTTCTACGTTTCTACGTTTCT	4786	
Db	1956	CAGTTCTGAACTGTTACAGACGAAATTGATGTGTAACTCTACGTTTCTACGTTTCT	2015	
Qy	4787	GAACANATCTGATAACTTGAACTGTTTACAGCTTCTACGTTTCTACGTTTCTACGTTTCT	4846	
Db	2016	GAACANATCTGATAACTTGAACTGTTTACAGCTTCTACGTTTCTACGTTTCT	2075	
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 QY 6167 GCGTGTCTCCAAATCCAGTGGAAACAGGCATAAGTGAAATTGGTTTAGGGGCC 6226
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 QY 6227 CACTCCCATTCATTAGCTTAACTGCAACAGGACTTACGTTGATTTT 6286
 Db 3456 CACTCCCATTCATTAGCTTAACTGCAACAGGACTTACGTTGATTTT 3515
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 QY 6347 GTGGGTATAGGGAGGGGGCAGGGCTTGGACACTGGCTAAGTGTGG 6406
 Db 3576 GTGGGTATAGGGAGGGGGCAGGGCTTGGACACTGGCTAAGTGTGG 3635
 QY 6407 GCAAAATCCCAAAGGAAAGGGAGGATTGGCTTGGAACTGGGACTCCAGTGACTA 6466
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 QY 6527 TTATGTGAACTTCTGGGGTCAACACTCTGGTTGGAACTGGCTTGG 6586
 Db 3756 TTATGTGAACTTCTGGGGTCAACACTCTGGTTGGAACTGGCTTGG 3815
 QY 6587 TAGTGTGCAAGGAGGGTTAGGACCAACTACAATAATGTGTGGTCAATGTAGTG 6646
 Db 3816 TAGTGTGCAAGGAGGGTTAGGACCAACTACAATAATGTGTGGTCAATGTAGTG 3875
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 Db 3876 TGTTCCTAACTTCTGTCTGAAAAAAAAATAATACTTTTAACTGAAATA 3932

RESULT 3
 US-10-236-392-11
 i Sequence 11, Application US/10236392
 i General Information:
 i i APPLICANT: Anderson, David W
 i i APPLICANT: Boldog, Ferenc L
 i i APPLICANT: Burgess, Catherine E
 i i APPLICANT: Casman, Stacie J
 i i APPLICANT: Catterton, Blina
 i i APPLICANT: Chapoval, Andrei
 i i APPLICANT: Crabtree, Julie
 i i APPLICANT: Ebinger, Shlomit R
 i i APPLICANT: Ellerman, Karen
 i i APPLICANT: Gerlach, Valerie
 i i APPLICANT: Gorman, Linda
 i i APPLICANT: Grossé, William M
 i i APPLICANT: Guess, Vilidanir
 i i APPLICANT: Kekuda, Ramesh
 i i APPLICANT: LaRocheille, William J
 i i APPLICANT: Li, Li
 i i APPLICANT: Macdougall, John R
 i i APPLICANT: Malayankar, Uriel M
 i i APPLICANT: Miller, Charles E
 i i APPLICANT: Millet, Isabelle
 i i APPLICANT: Padigaru, Muralidhara
 i i APPLICANT: Paturajan, Meera
 i i APPLICANT: Pena, Carol A
 i i APPLICANT: Peyman, John A
 i i APPLICANT: Rastelli, Luca
 i i APPLICANT: Reiger, Daniel K
 i i APPLICANT: Rothenberg, Mark E

; APPLICANT: Shenoy, Suresh
 ; APPLICANT: Shimkets, Richard A
 ; APPLICANT: Smithson, Glenda
 ; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME
 ; FILE REFERENCE: 214-02-442A
 ; CURRENT APPLICATION NUMBER: US/10/236,392
 ; PRIOR APPLICATION NUMBER: US/09/540,763
 ; PRIOR FILING DATE: 2000-03-30
 ; PRIOR APPLICATION NUMBER: US/09/390,155
 ; PRIOR FILING DATE: 2002-06-19
 ; PRIOR APPLICATION NUMBER: US/09/635,949
 ; PRIOR FILING DATE: 2000-08-10
 ; PRIOR APPLICATION NUMBER: US/09/318,765
 ; PRIOR FILING DATE: 2001-09-12
 ; PRIOR APPLICATION NUMBER: US/09/357,303
 ; PRIOR FILING DATE: 2002-02-15
 ; PRIOR APPLICATION NUMBER: US/09/367,753
 ; PRIOR FILING DATE: 2002-03-25
 ; PRIOR APPLICATION NUMBER: US/09/369,479
 ; PRIOR FILING DATE: 2002-04-02
 ; PRIOR APPLICATION NUMBER: US/09/659,634
 ; PRIOR FILING DATE: 2000-09-12
 ; PRIOR APPLICATION NUMBER: US/09/318,120
 ; PRIOR FILING DATE: 2001-09-07
 ; PRIOR APPLICATION NUMBER: US/09/318,130
 ; PRIOR FILING DATE: 2001-09-07
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 794
 ; SOFTWARE: Custom
 ; SEQ ID NO: 11
 ; LENGTH: 3934
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (61) .. (1111)
 ; US-10-236-392-11
 Query Match 35.6%; Score 2937; DB 13; Length 3934;
 Best Local Similarity 100.0%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;
 Matches 2937; Conservative 0; N mismatches 0;
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 Db 996 GGATGGTGTGGACTTCTCCATGAGGCTAGGGATCTGGAAATGGTGTGCT 1055
 Qy 3827 GCTGGCTTTGAGGTTGCTGGAGTGGCTTGGCATATCTATAAGTATAGTGCC 3885
 Db 1056 GCTGGCTTTGAGGTTGCTGGAGTGGCTTGGCATATCTATAAGTATAGTGCC 1115
 Qy 3887 TTACGTAACTGCAATAGTGTGACTTTAACAAACCAACCAACCAAACCTTAT 3946
 Db 1116 TTACGTAACTGCAATAGTGTGACTTTAACAAACCAACCAACCAAACCTTAT 1175
 Qy 3947 GCAGTGGACTCCAACTGTAACCTGTAACCTGACAGTGTGACCTAGCCAGAAAG 4006
 Db 1176 GCAGTGGACTCCAACTGTAACCTGACAGTGTGACCTAGCCAGAAAG 1235
 Qy 4007 CAAGTGGCAAGGAGGATATGGCTAACAGATAATACATGGGAGAGTGTCTCCATG 4066
 Db 1236 CAAGTGGCAAGGAGGATATGGCTAACAGATAATACATGGGAGAGTGTCTCCATG 1295
 Qy 4067 ATGGAAAGTCACTGCTGAGGAACTTCAAGTCAAGTCAAGTCAACTTGTG 4126
 Db 1296 ATTGGAAAGCTATGGAGGAGGACTTTAGTGAAGTGTGAGGAAAGTGTCTGG 1355
 Qy 4127 TGGGAAGCTATGGAGGAGGACTTTAGTGAAGTGTGAGGAAAGTGTCTGG 4186
 Db 1356 TGGGAAGCTATGGAGGAGGACTTTAGTGAAGTGTGAGGAAAGTGTCTGG 1415
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Qy	4307	GTGTAAAGGTACAGTAACTGAACTATACTGTGTAAGCTCAGTGACGGGAGC	4366	
Db	1536	GTGTAAAGGTACAGTAACTGAACTATACTGTGTAAGCTCAGTGACGGGAGC	1595	
Qy	4367	TTTTCCTCTCTCTTAATTAGTCTCCAGPATACTCTTGAAGTCCAGTGTAGGA	4426	
Db	1596	TTTTCCTCTCTCTTAATTAGTCTCCAGPATACTCTTGAAGTCCAGTGTAGGA	1655	
Qy	4427	TTTAACTCTGTAACTTGTGTTCCATGTTCTACTTTATAGCCTAGTTA	4486	
Db	1656	TTTAACTCTGTAACTTGTGTTCCATGTTCTACTTTATAGCCTAGTTA	1715	
Qy	4487	CACCAATAACTTGTGAACTTGTGTTCAATGTTCTACTTTATAGCCTAGTTA	4546	
Db	1716	CACCAATAACTTGTGAACTTGTGTTCAATGTTCTACTTTATAGCCTAGTTA	1775	
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Qy	4607	CCTGAAACGAGGAGTATGAACTTGTGTTCAATGTTCTACTTTGAACTTG	4666	
Db	1836	CCTGAAACGAGGAGTATGAACTTGTGTTCAATGTTCTACTTTGAACTTG	1895	
Qy	4667	CAACTCCGTAAATTAGAAACCTGTTCTACAGGTTTCTATGTTAACTTGT	4726	
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Qy	4727	CAGTCTAGTGTAACTGAAAGGATTGATGTTGAACTGTGTTGTTGACTG	4786	
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Qy	4787	GAACAAATCTGATAACTATGCAAGCTTTAAATTCTTAACTGTTGAACTT	4846	
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Qy	4847	TAGATAGTTTCTTGTAAACCTGGGATGAGGTGATGAAATTCTTCACT	4906	
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Qy	6527	TTCATGTAACATTCTGCGGGTGAACACCTCTGGTTCTAGCTCTAGCTTAC	6586	Db	1236	CAACTGGCAAGGAGATTCTGCTAACAGATAATACTATGGAAAGAGTGCTCCCATG	1295
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Qy	6587	TAGTGTCGAGGAAGGGTAGACCAACTACAATTAACTGTGTTGCAATGTAGTG	6646	Db	1296	ATTGAGAGTCACCTCTGAAGAGCAAGGTTAGCTTACAGAACAAACTTGT	1355
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Db	3877	TGTTTCCCTAACCTCTCTGTTCTCTGAGAAAGATAATCTTTAACATA	3932	Qy	4187	TTTCTGTGAGAACAGAAAGTGGCAGTAGCAGGAAAGTCATAGATTGATTACCC	4246
Db	1416	TTTCTGTGAGAACAGAAAGTGGCAGTAGCAGGAAAGTCATAGATTGATTACCC	1475				
Qy	4247	GCCGAACTTCAATTATTACTGACTAGTGTGTTAACAGAGCACTAAAGATGCCAGTGACT	4306				
Db	1476	GCCGAACTTCAATTATTACTGACTAGTGTGTTAACAGAGCACTAAAGATGCCAGTGACT	1535				
Qy	4307	GTGTAAGTTACAGTAATAAGACTATGACTGACTGTAAGCTGTCAGTGTACAGGGAGC	4366				
Db	1536	GTGTAAGTTACAGTAATAAGACTATGACTGACTGTAAGCTGTCAGTGTACAGGGAGC	1595				
Qy	4367	TTTCCCTCTCTTAATAGCTTCCAGDATACTTCCAGTACTCTCCAGTACTCTTA	4426				
Db	1596	TTTCCCTCTCTTAATAGCTTCCAGTACTCTCCAGTACTCTTA	1655				
Qy	4427	TTTATACCTGTTACCTGGCTCCATGATCTTACTTTAGCTTGTGTTAGCTGTATT	4486				
Db	1656	TTTATACCTGTTACCTGGCTCCATGATCTTACTTTAGCTTGTGTTAGCTGTATT	1715				
Qy	4487	CACCAATAACTTGACGGAAAGCTCAGTAATTAGTATGAATATGCTTAATTCCTCAATT	4546				
Db	1716	CACCAATAACTTGACGGAAAGCTCAGTAATTAGTATGAATATGCTTAATTCCTCAATT	1775				
Qy	4547	TTAAGACAGCTTGTAAATGTTGTTAAATGTTATATTCTTACAGAAAGTCATT	4606				
Db	1776	TTAAGACAGCTTGTAAATGTTGTTAAATGTTATATTCTTACAGAAAGTCATT	1835				
Qy	4607	CCITGAACCGAAAGGATGCGATTCTACAGCTTCTATGCTAAACTTCTTCCTT	4666				
Db	1836	CCITGAACCGAAAGGATGCGATTCTACAGCTTCTATGCTAAACTTCTTCCTT	1895				
Qy	4667	CAACTTCCGTAAATTAGGACCTGTTACAGCTTCTATGCTAAACTTCTTCCTT	4726				
Db	1896	CAACTTCCGTAAATTAGGACCTGTTACAGCTTCTATGCTAAACTTCTTCCTT	1955				
Qy	4727	CAGTCTAGTGTGATACGAACTGATGCTACTGTGCAACTTAAATTCTCTGTTCT	4786				
Db	1956	CAGTCTAGTGTGATACGAACTGATGCTACTGTGCAACTTCTGTTCT	2015				
Qy	4787	GAACAACTGATAACTATGCCATTAAATTCTCTGTTCTGTTCTGTTCT	4846				
Db	2016	GAACAACTGATAACTATGCCATTAAATTCTCTGTTCTGTTCTGTTCT	2075				
Qy	4847	TAGATGGTTCTTCTTGAACCTGGATTGAGGTGATGATGAAATTCTTCCT	4906				
Db	2076	TAGATGGTTCTTCTTGAACCTGGATTGAGGTGATGATGAAATTCTTCCT	2135				
Qy	4907	TCATTAATGCAACTTCAATATTAGTGTGAGTTAACTGCTAGTGTGAGCT	4966				
Qy	2136	TCATTAATGCAACTTCAATATTAGTGTGAGTTAACTGCTAGTGTGAGCT	2195				
Db	1056	TCATTAATGCAACTTCAATATTAGTGTGAGTTAACTGCTAGTGTGAGCT	1115	Qy	4967	TACAAATAGGGCTGAGTGGCAATACTCATTTGAGTGGCAACTACCCACCAAAACCACTT	5026
Qy	3887	TACATGTAAGTGTGAAATGTTGACTTTAACCAACCCACCAAAACCACTT	3946	Db	2196	TACAAATAGGGCTGAGTGGCAATACTCATTTGAGTGGCAACTACCCACCAAAACCACTT	2255

RESULT 4

US-10-007-573-1

Sequence 1, Application US/10007573

Publication No. US20020086321A1

GENERAL INFORMATION:

APPLICANT: DARTMOUTH COLLEGE

APPLICANT: CRAIG, Ruth

TITLE OF INVENTION: MYELOID CELL LEUKEMIA ASSOCIATED GENE MCL-1

FILE REFERENCE: DART110-6

CURRENT APPLICATION NUMBER: US/10/007-573

PRIORITY APPLICATION NUMBER: US/09/687, 260

PRIOR FILING DATE: 2000-10-12

PRIOR FILING DATE: 1999-08-20

PRIOR FILING DATE: 1998-12-15

PRIOR FILING DATE: 1993-06-16

PRIOR FILING DATE: 1993-02-02

NUMBER OF SEQ ID NO: 4

SOFTWARE: PatentIn version 3.0

SEQ ID NO 1

LENGTH: 3946

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE: NAME/KEY: CDS

LOCATION: (61)..(1110)

NAME/KEY: misc feature

LOCATION: (0)..(0)

OTHER INFORMATION: When nucleotide 740 = C, amino acid 227 = A; when

OTHER INFORMATION: nucleotide 740 = T, amino acid 227 = V

US-10-007-573-1

Query Match: 34.1%; Score: 2818; DB: 13; Length: 3946;

Best Local Similarity: 100.0%; Pred. No: 0; Mismatches: 0; Gaps: 0; Indels: 1;

Matches: 2868; Conservative: 0; Other Information: When nucleotide 740 = C, amino acid 227 = A; when nucleotide 740 = T, amino acid 227 = V

Qy 3767 GGATGGGTTGTGAGTTCTCCATGTAGAGGACCTAGAAAGTGGCAATGCT 3826

Db 996 GGATGGGTTGTGAGTTCTCCATGTAGAGGACCTAGAAAGTGGCAATGCT 1055

Qy 3882 GTGGGCTTTGCTGGGTGTTGTGGAGCTGCTGGTGGATAGTGTAGAGCT 3886

Db 1056 GTGGGCTTTGCTGGGTGTTGTGGAGCTGCTGGTGGATAGTGTAGAGCT 1115

Qy 3887 TACATGTAAGTGTGAAATGTTGACTTTAACCAACCCACCAAAACCACTT

Db 2196 TACAAATAGGGCTGAGTGGCAATACTCATTTGAGTGGCAACTACCCACCAAAACCACTT

Qy	5027	TAACCTGGTAAATTAAAGTGAATTTCATGGGCTCATCTTTAAGCTTAAACTAAAGAT	5086	Qy	6107	ACCTAAAGCACTTTATGTAGTTTTAAATCTTAAGATCTGGTTACCGTAACCTAAA	6166
Db	2256	TAACCTGGTAAATTAAAGTGAATTTCATGGGCTCATCTTTAAGCTTAAACTAAAGAT	2315	Db	3336	ACCTAAAGCACTTTATGTAGTTTTAAATCTTAAGATCTGGTTACCGTAACCTAAA	3395
Qy	5087	TTCAGCTGATGGAACTCTAATAGCTGTGTCATAAGCTGGATGGA	5146	Qy	6167	GCCTGTTGCCAAATCCAGTGAAACAGTCATACATGTGAAATTGTTTACCGGCC	6226
Db	2316	TTCAGCTGATGGAACTCTAATAGCTGTGTCATAAGCTGGATGGA	2375	Db	3396	GCCTGTTGCCAAATCCAGTGAAACAGTCATACATGTGAAATTGTTTACCGGCC	3455
Qy	5147	GAGACATTATCCCTGTTGCTTAATTTATGAGCTGGATGGAACAGCAG	5206	Qy	6227	CACTTCCAACTTCATTAGGTATGACTGTGAAATACAGAAAGGACTTAACTGATTTT	6286
Db	2376	GAGACATTATCCCTGTTGCTTAATTTATGAGCTGGATGGAACAGCAG	2435	Db	3456	CACTTCCAACTTCATTAGGTATGACTGTGAAATACAGAAAGGACTTAACTGATTTT	3515
Qy	5207	TAGTCTAACATGGCTGCTATTATAGGCTGTGTTAACACAGGCTTAAGCTAG	5266	Qy	6287	GGCTTGCGCACTGGGGCTTAGGACACCCAAAGTGTGTTGGAAAGGAGGAGCTG	6346
Db	2436	TAGTCTAACATGGCTGCTATTATAGGCTGTGTTAACACAGGCTTAAGCTAG	2495	Db	3516	GGCTTGCGCACTGGGGCTTAGGACACCCAAAGTGTGTTGGAAAGGAGGAGCTG	3575
Qy	5267	ATGTCATAAAGCALATACTTACTGTTCTTCTTATTATGATTCTCCAAACCTTGTG	5326	Qy	6347	GGGGTTTATGGGGAGAGGGGGGTGTCTAGTGTGACTGCTACGTAGTTCGG	6406
Db	2496	ATGTCATAAAGCALATACTTACTGTTCTTCTTATTATGATTCTCCAAACCTTGTG	2555	Db	3576	GGGGTTTATGGGGAGAGGGGGGTGTCTAGTGTGACTGCTACGTAGTTCGG	3635
Qy	5327	AAGTTTTGCAATGGCATTTGGATTTCCTGCTGTTGATTTGTTCTATCAGACTAAC	5386	Qy	6407	GCAATCTCCAAAAGGAAACGGAAACGGGATTTCGTTAGAAAGGATGGGCTCCAGTACTA	6466
Db	2556	AAGTTTTGCAATGGCATTTGGATTTCCTGCTGTTGATTTGTTCTATCAGACTAAC	2615	Db	3636	GCAATCTCCAAAAGGAAACGGGATTTCGTTAGAAAGGATGGGCTCCAGTACTA	3695
Qy	5387	TTTTATTCTCTGCTTCCITGCTGATTTGATTCTGTTGATTTGTTCTACGTTAAC	5446	Qy	6467	CCTTTGACTCTGTTGCTTACGGCTTCTCAGTCGTCCTCTAGTGT	6586
Db	2616	TTTTATTCTCTGCTTCCITGCTGATTTGATTCTGTTGATTTGTTCTACGTTAAC	2675	Db	3756	TICATGTAACATCTGCTGCTGCTGACACCTGGTTCTCGGTTAACAGTGTACTTTGA	3815
Qy	5447	ATCAATTCTCATCACGCTTCCCTGCACTCCTGAACTCTCTTCTAGGTTTGTGATT	5506	Qy	6527	TICATGTAACATCTGCTGCTGACACCTGGTTCTCGGTTAACAGTGTACTTTGA	6586
Db	2676	ATCAATTCTCATCACGCTTCCCTGCACTCCTGAACTCTCTTCTAGGTTTGTGATT	2735	Db	3756	TICATGTAACATCTGCTGCTGACACCTGGTTCTCGGTTAACAGTGTACTTTGA	3815
Qy	5507	GCACGTGAAACCCCCCTGCTGAAACCTGAACTGACCTCCCTCCCACCAAGCTCAG	5566	Qy	6587	TAGCTGCCCCAGGAAGGGTTAGGACCAACTACAATAAGCTGGTTGT	6635
Db	2736	GCACGTGAAACCCCCCTGCTGAAACCTGAACTGACCTCCCTCCCACCAAGCTCAG	2795	Db	3816	TAGCTGCCCCAGGAAGGGTTAGGACCAACTACAATAAGCTGGTTGT	3864
RESULT 5							
US-10-443-108-7							
; Sequence 7, Application US/10443108							
; Publication No. US20040005615A1							
; GENERAL INFORMATION:							
; APPLICANT: LI, JING							
; APPLICANT: MU, DAVID							
; APPLICANT: YANG, JIAOXIN							
; TITLE OF INVENTION: AMPLIFICATION AND OVEREXPRESSION OF ONCOGENES							
; FILE REFERENCE: 38002-0049							
; CURRENT APPLICATION NUMBER: US/10-443,108							
; CURRENT FILING DATE: 2003-05-22							
; PRIORITY APPLICATION NUMBER: 60/398,099							
; PRIORITY FILING DATE: 2002-07-25							
; PRIORITY FILING DATE: 2002-05-24							
; NUMBER OF SEQ ID NOS: 90							
; SOFTWARE: PatentIn Ver. 2.1							
; SEQ ID NO: 7							
; LENGTH: 3953							
; TYPE: DNA							
; ORGANISM: Homo sapiens							
; US-10-443-108-7							
Qy	5567	ACCTTCATCTTCAGAACCTGATCTGGTTAGCAGGTTGGTTACCATGGTCA	5626	Qy	3767	CGATGGCTTTCGAGGCTTCATGGGACTTACGGAACTAGCTGGTCA	3826
Db	2796	ACCTTCATCTTCAGAACCTGATCTGGTTAGCAGGTTGGTTACCATGGTCA	2855	Db	999	CGATGGCTTTCGAGGCTTCATGGGACTTACGGAACTAGCTGGTCA	1058
Qy	5627	CACTAACAGTCATTGAGGCTGGAGGAACCTCCCTTCTGGACTCTTCTTCA	5686	Qy	3827	CGTGGCTTTCGAGGCTTCATGGGACTTACGGAACTAGCTGGTCA	3886
Db	2856	CACTAACAGTCATTGAGGCTGGAGGAACCTCCCTTCTGGACTCTTCTTCA	2915	Db	1059	CGTGGCTTTCGAGGCTTCATGGGACTTACGGAACTAGCTGGTCA	1118
Qy	5687	CTATGTTTATCCCGTCTTGGGGCAATAGCTGCAAAGTCCTCAGGAAATTTCAGA	5746	Qy			
Db	2916	CTATGTTTATCCCGTCTTGGGGCAATAGCTGCAAAGTCCTCAGGAAATTTCAGA	2975	Db			
Qy	5747	GGAAAGAACATTATGAGGCTTTCATAGGTTCTCTGTAGGACTATGCTCACT	5806	Qy			
Db	2976	GGAAAGAACATTATGAGGCTTTCATAGGTTCTCTGTAGGACTATGCTCACT	3035	Db			
Qy	5807	AAATTACAGAAAGAGGTGACTCCATTAAATAGGTGATGAAATGCTAAACT	5866	Qy			
Db	3036	AAATTACAGAAAGGTGACTCCATTAAATAGGTGATGAAATGCTAAACT	3095	Db			
Qy	5867	GAAGAAAGTCATATTGAACTGAGCTTACGGTCAATTGAAAGCTTCA	5926	Qy			
Db	3096	GAAGAAAGTCATATTGAACTGAGCTTACGGTCAATTGAAAGCTTCA	3155	Db			
Qy	5927	TTTACGTCTGTTGACTCCATTAAATAGGTGATGAAATGCTAAACT	5986	Qy			
Db	3156	TTTACGTCTGTTGACTCCATTAAATAGGTGATGAAATGCTAAACT	3215	Db			

Db	3276	TTCACCTATTTATCGTGTCTGATCATAGCCGCTPATTATATCATGTCCTAA	3335
Qy	6105	GGACCTAANGCACTTATGTTAGTTTAACTCTTAGATCTGGTAGGTAACAA	6164
Db	3336	GGACCTAANGCACTTATGTTAGTTTAACTCTTAGATCTGGTAGGTAACAA	3395
Qy	6165	AA 6166	
Db	3396	AA 3397	
RESULT 6 US-0-9-71-429B-21			
	Sequence 21: Application US/09971429B		
	Publication No. US20030175704A1		
	GENERAL INFORMATION:		
	APPLICANT: Lasek, Amy K. W.		
	APPLICANT: Shvjan, Andrew W.		
	APPLICANT: Turner, Christopher M.		
	TITLE OF INVENTION: GENES EXPRESSED IN LUNG CANCER		
	FILE REFERENCE: PA-0040 US		
	CURRENT APPLICATION NUMBER: US 09/971,429B		
	CURRENT FILING DATE: 2001-10-04		
	PRIOR APPLICATION NUMBER: 60/239,024		
	PRIOR FILING DATE: 2000-04-10		
	NUMBER OF SEQ ID NOS: 56		
	SOFTWARE: PERL Program		
	SEQ ID NO. 21		
	LENGTH: 6012		
	ORGANISM: Homo sapiens		
	FEATURE:		
	NAME KEY: misc feature		
	OTHER INFORMATION: Incyte ID No. US20030175704A1 1100821.1		
	US -0-9-71-429B-21		
Query Match	19.7%	Score 1626; DB 10; Length 6012;	
	Best Local Similarity 99.7%; Pred. No. 0;		
	Matches 2396; Conservative 0; Mismatches 1; Indels 7; Gaps 5;		
Qy	3767	GGATGGGTGTTGGAGTTCTCCATGGGACTCTAGGGACTTAGGGATCTGGCT	3826
Db	1149	GGATGGGTGTTGGAGTTCTCCATGGGACTCTAGGGACTTAGGGATCTGGCT	1208
Qy	3827	GCTGGGTTTGAGGGATTATGTTAGGTTGGAGCTGGTGGATCTTAAAGTAGCC	3886
Db	1209	GCTGGGTTTGAGGGATTATGTTAGGTTGGAGCTGGATCTTAAAGTAGCC	1268
Qy	3887	TTCCTGAACTGGCAATAGTGTACTTAAACCAACCCAAACCGTTAA	3946
Db	1269	TTCCTGAACTGGCAATAGTGTACTTAAACCAACCCAAACCGTTAA	1328
Qy	3947	GCAGTGGGACTCCGAAGCTGTACTTAACTGGCAACTTGGCCAAAG	4006
Db	1329	GCAGTGGGACTCCGAAGCTGTACTTAACTGGCAACTTGGCCAAAG	1388
Qy	4007	CAAGTGGCAAGGGATTATGCTTAACAGATAAACTACGGAAAGTGTCCCCT	4066
Db	1389	CAAGTGGCAAGGGATTATGCTTAACAGATAAACTACGGAAAGTGTCCCCT	1448
Qy	4067	ATGGAGAGTACTGTTGAGAAAGTTCAGTTTGTGCAAAACCTTGT	4126
Db	1449	ATGGAGAGTACTGTTGAGAAAGTTCAGTTTGTGCAAAACCTTGT	1506
Db	1449	ATGGAGAGTACTGTTGAGAAAGTTCAGTTTGTGCAAAACCTTGT	1506
Qy	4127	TGGGAGGCTTATGAGGAGGTTAGTTAGTGTAGGAGTGTAGGAAAGCTAA	4186
Db	1509	TGGGAGGCTTATGAGGAGGTTAGTTAGTGTAGGAGTGTAGGAAAGCTAA	1566
Qy	4187	TTTCCTTGTGAGAACGAAAGTGGCCAGTGGCCAGTGGAGTACCC	4246
Db	1569	TTTCCTTGTGAGAACGAAAGTGGCCAGTGGCCAGTGGAGTACCC	1628
Qy	5325	GCAAGTTTT-GCATGCTTGGATTCAAGCTTGTGTTATCAGACCT	1205

Db	2706	GCAAGGTTTGGCATGGCATCTTGGCATCTTGGATTCTGATGTTCTGATGTTCTGATGACTT	2765
Qy	5383	AACCTTTTATTTCCTGTCCTTCTTGAATTGCTGATGTTCTGCTCCCTCTACAGATAT	5442
Db	2766	AACTCTTATTCTCTGTCCTTCTTGAATTGCTGATGTTCTGCTCCCTCTACAGATAT	2825
Qy	5443	TTATACTAATTCTAACGCTTCCCTGCAATCGACTCTTGACCTCTTCTAGGCCCTTTAGAT	5502
Db	2826	TTATACTAATTCTAACGCTTCCCTGCAATCGACTCTTGACCTCTTCTAGGCCCTTTAGAT	2885
Qy	5503	TTGGCAACTGTGAAACCCCTGCTGGALACCCTGAGTGAACCTCCACCAAGACTCC	5562
Db	2886	TTGGCAACTGTGAAACCCCTGCTGGAGGTGACCTCCACCAAGACTCC	2945
Qy	5563	ACAGACCTTCATCTTCAAGAACTTGATCCTGTTAGCAGGTGTAATACCATGGTGCT	5622
Db	2946	ACAGACCTTCATCTTCAAGAACTTGATCCTGTTAGCAGGTGTAATACCATGGTGCT	3005
Qy	5623	GTGACACTAACAGTCATTGAGGCTGGAGGTGGAGGAGTGCCTTCTGACTGTGATCTT	5682
Db	3006	GTGACACTAACAGTCATTGAGGCTGGAGGAGTGCCTTCTGACTGTGATCTT	3065
Qy	5683	TCAACTATTGTTTATCTGTCCTTGGCCCATGTCATGTCATGTCATGTCATGTCATTT	5742
Db	3066	TCAACTATTGTTTATCTGTCCTTGGCCCATGTCATGTCATGTCATGTCATGTCATTT	3125
Qy	5743	CAGAGGAAGAACATTATTAGGGCTTCTCAAAGTTTCCCTGATAGGGTAGTCCTC	5802
Db	3126	CAGAGGAAGAACATTATTAGGGCTTCTCAAAGTTTCCCTGATAGGGTAGTCCTC	3185
Qy	5803	ACTTAATTACAGAACAGGTGAACTGGCTTAAACCTCAGAGTTAAAGCTACTATA	5862
Db	3186	ACTTAATTACAGAACAGGTGAACTGGCTTAAACCTCAGAGTTAAAGCTACTATA	3245
Qy	5863	AACTGAGAAAGCTGTATATTGCAACTGGCTTAAATAGTGTAAATAGTGTAAAGTGTAA	5922
Db	3446	AACTGAGAAAGCTGTATATTGCAACTGGCTTAAATAGTGTAAATAGTGTAAAGTGTAA	3305
Qy	5923	GACCTTGTGTGGACTCCATTAAAAATAGTGTAAATAGTGTAAAGTGTAAAGTGTAA	5982
Db	3306	GACCTTGTGTGGACTCCATTAAAAATAGTGTAAATAGTGTAAAGTGTAAAGTGTAA	3365
Qy	5983	TGGGAGAAACTGCCCTGGCTGCAATCTGAGCTCATCTTGTAGACTA	6042
Db	3366	TGGGAGAAACTGCCCTGGCTGCAATCTGAGCTCATCTTGTAGACTA	3425
Qy	6043	TTTTACCTATGTATATCGTGTCTGTATCATAGGCCTTATTAAATCATGTATCTCT	6102
Db	3426	TTTTACCTATGTATATCGTGTCTGTATCATAGGCCTTATTAAATCATGTATCTCT	3485
Qy	6103	AAGGACCTAAAGGACATTATGTAGTTAAATTATCTTAAATCTTAAATCTTAAATCTTAA	6162
Db	3486	AAGGACCTAAAGGACATTATGTAGTTAAATTATCTTAAATCTTAAATCTTAAATCTTAA	3545
Qy	6163	AAAA	6166
Db	3546	AAA	3549

Qy 2087 TCCCCGAAAGGAGCTGGACCGGTACGAGCCGGCTCTGGAAAGGCCGTGTC 2146
 Db 361 TCCCCGAAAGGAGCTGGACCGTACGGGAAATCTGTTAATAACCAAGTAGCAGGCTGTC 420
 Qy 2147 CTACCGCTCTGGAGTGGTGGCTGGAAATCTGTTAATAACCAAGTAGCAGGCTGTC 2205
 Db 421 CTACCGCTCTGGAGTGGTGGCTGGAAATCTGTTAATAACCAAGTAGCAGGCTGTC 480
 Qy 2207 CCCTCGAACGCCGCGAACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2265
 Db 481 CCCTCGAACGCCGCGAACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 540
 Qy 2267 ATTATCCTCGTAACTCTCGGGAGCAGGGGGCACGGGGCACGGGGCACGGGG 2326
 Db 541 ATTATCCTCGTAACTCTCGGGAGCAGGGGGCACGGGGCACGGGGCACGGGG 600
 Qy 2327 AGGTCTGGGCCAACGGGGCACGGGGCACGGGGCACGGGGCACGGGG 2386
 Db 601 AGGTCTGGGCCAACGGGGCACGGGGCACGGGGCACGGGGCACGGGG 660
 Qy 2387 CAGCGAACACAGAAC 2405
 Db 661 CAGCGAACACAGAAC 679

RESULT 11
 US-09-196-692-8824/C
 Publication No. US20020198362A1
 Sequence 8824, Application US/09796692
 General Information:
 APPLICANT: Gaiger, Alexander
 APPLICANT: Algate, Paul A.
 APPLICANT: Mannion, Jane
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
 FILE REFERENCE: 2007_001200

CURRENT APPLICATION NUMBER: US/09/796,692
 CURRENT FILING DATE: 2001-03-01
 PRIOR APPLICATION NUMBER: 60/186,126
 PRIOR FILING DATE: 2000-03-01

PRIOR APPLICATION NUMBER: 60/190,479
 PRIOR FILING DATE: 2000-03-17
 PRIOR APPLICATION NUMBER: 60/200,545
 PRIOR FILING DATE: 2000-04-27

PRIOR APPLICATION NUMBER: 60/200,303
 PRIOR FILING DATE: 2000-04-28

PRIOR APPLICATION NUMBER: 60/200,779
 PRIOR FILING DATE: 2000-04-28
 PRIOR APPLICATION NUMBER: 60/200,999
 PRIOR FILING DATE: 2000-05-01

PRIOR APPLICATION NUMBER: 60/202,084
 PRIOR FILING DATE: 2000-05-04
 PRIOR APPLICATION NUMBER: 60/206,201
 PRIOR FILING DATE: 2000-05-22
 PRIOR APPLICATION NUMBER: 60/218,950
 PRIOR FILING DATE: 2000-07-14
 PRIOR APPLICATION NUMBER: 60/222,903
 PRIOR FILING DATE: 2000-08-03
 PRIOR APPLICATION NUMBER: 60/223,416
 PRIOR FILING DATE: 2000-08-04
 PRIOR APPLICATION NUMBER: 60/223,378
 PRIOR FILING DATE: 2000-08-07

NUMBER OF SEQ ID NOS: 9597
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO: 8824
 LENGTH: 624
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: unsure
 LOCATION: [19]
 OTHER INFORMATION: n=A, T, C or G

RESULT 12
 US-10-040-862-8824/C
 Sequence 8824, Application US/10040862
 Publication No. US20030078396A1
 GENERAL INFORMATION:
 APPLICANT: Gaiger, Alexander
 APPLICANT: Algate, Paul A.
 APPLICANT: Mannion, Jane
 APPLICANT: Retter, Marc
 APPLICANT: Corixa Corporation
 TITLE OF INVENTION: Hematological Malignancies
 FILE REFERENCE: 01458-01352008
 CURRENT FILING DATE: 2001-11-06
 PRIORITY APPLICATION NUMBER: US/10/040-862
 PRIORITY FILING DATE: 2000-03-01
 PRIORITY APPLICATION NUMBER: US 60/186,126
 PRIORITY FILING DATE: 2000-03-17
 PRIORITY APPLICATION NUMBER: US 60/190,479
 PRIORITY FILING DATE: 2000-04-27
 PRIORITY APPLICATION NUMBER: US 60/200,545
 PRIORITY FILING DATE: 2000-04-28

PRIOR FILING DATE: 2000-04-28

PRIOR FILING DATE: 2000-05-01

PRIOR FILING DATE: 2000-05-04

PRIOR FILING DATE: 2000-05-22

PRIOR FILING DATE: 2000-07-14

PRIOR FILING DATE: 2000-08-03

PRIOR FILING DATE: 2000-08-07

PRIOR FILING DATE: 2000-08-07

PRIOR FILING DATE: 2000-04-28

PRIOR APPLICATION NUMBER: US 60/200,779
 PRIOR FILING DATE: 2000-04-28
 PRIOR APPLICATION NUMBER: US 60/200,999
 PRIOR FILING DATE: 2000-05-01
 PRIOR APPLICATION NUMBER: US 60/202,084
 PRIOR FILING DATE: 2000-05-04
 PRIOR APPLICATION NUMBER: US 60/205,201
 PRIOR FILING DATE: 2000-05-22
 PRIOR APPLICATION NUMBER: US 60/218,950
 PRIOR FILING DATE: 2000-07-14
 PRIOR APPLICATION NUMBER: US 60/222,903
 PRIOR FILING DATE: 2000-08-03
 PRIOR APPLICATION NUMBER: US 60/223,416
 PRIOR FILING DATE: 2000-08-04
 PRIOR APPLICATION NUMBER: US 60/223,378
 PRIOR FILING DATE: 2000-08-07
 PRIOR APPLICATION NUMBER: US 09/796,692
 NUMBER OF SEQ ID NOS: 10467
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO: 8824
 LENGTH: 624

TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: unsure
 LOCATION: (19)
 OTHER INFORMATION: n=A,T,C or G

US-10-040-862-8824

Query Match 5.2%; Score 433; DB 15; Length 624;
 Best Local Similarity 99.7%; Pred. No. 1; e=211;
 Matches 603; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Qy 4469 TTATTTAGCTTCAATTCTTAAGCAGCTGTAAATGTTAATGGAA 4528
 Db 624 TTATTTAGCTTCAATTCTTAAGCAGCTGTAAATGGAA 565
 Qy 4529 TATGGATATCCTCAATTCTTAAGCAGCTGTAAATGGAA 4588
 Db 564 TATGGATATCCTCAATTCTTAAGCAGCTGTAAATGGAA 505
 Qy 4589 TTACAGAAAGTCATTCTGAAACGAGGAATGTCGAATTGTTTC 4648
 Db 504 TTACAGAAAGTCATTCTGAAACGAGGAATGTCGAATTGTTTC 445
 Qy 4649 ATACCTTGTGAACTTGGAACCTCCGTTCTACAGCTTCTAT 4708
 Db 444 ATACCTTGTGAACTTGGAACCTCCGTTCTACAGCTTCTAT 385
 Qy 4709 GCTAAACTTGTCTAGCTTCAAGAACTTGTAACTCTGTA 4768
 Db 384 GCTAAACTTGTCTAGCTTCAAGAACTTGTAACTCTGTA 325
 Qy 4769 TGCAACTGTTGAGTGCACAACTCTGAACTTGTTCTATCG 4828
 Db 324 TGCAACTGTTGAGTGCACAACTCTGAACTTGTTCTATCG 265
 Qy 4829 ATTTGGTAAAGTATCCTTGTAGATGG- 4887
 Db 264 ATTTGGTAAAGTATCCTTGTAGATGGTTCTCTGAACTTGTTCTATCG 205
 Qy 4888 GAATGGAAATTCTTCACCTCATATGCAAGTTCAATAATTAGCTTCAAGTGGCT 4947
 Db 204 GAATGGAAATTCTTCACCTCATATGCAAGTTCAATAATTAGCTTCAAGTGGCT 145
 Qy 4948 TTAAAGTTACTGTGACTTACAATAAGGGCTGGAATACACTCATTTGGCT 5007
 Db 144 TTAAAGTTACTGTGACTTACAATAAGGGCTGGAATACACTCATTTGGCT 85
 Qy 5008 CCTTCATGACCTAATTAACTGGTGAATAAGTGAATTCACTGGCTCATCTTA 5067
 Db 84 CCTTCATGACCTAATTAACTGGTGAATAAGTGAATTCACTGGCTCATCTTA 25

Qy 5068 AAGCT 5072
 Db 24 AAGCT 20

RESULT 13
 US-10-057-475B-8824/c
 ; Sequence 8824, Application US/10057475B
 ; Publication No. US200004002068A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Gaiger, Alexander
 ; APPLICANT: Algare, Paul A.
 ; APPLICANT: Mannion, Jane
 ; APPLICANT: Clasper, Jonathan David
 ; APPLICANT: Wang, Aljun
 ; APPLICANT: Ordonez, Nadia
 ; APPLICANT: Carter, Lauren
 ; APPLICANT: McNeill, Patricia Dianne
 ; APPLICANT: Corixa Corporation
 ; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
 ; TITLE OF INVENTION: Hematological Malignancies
 ; FILE REFERENCE: 014058 014402US
 ; CURRENT APPLICATION NUMBER: US/10/057-475B
 ; PRIOR APPLICATION NUMBER: US 60/186,126
 ; PRIOR FILING DATE: 2000-03-01
 ; PRIOR APPLICATION NUMBER: US 60/190,479
 ; PRIOR FILING DATE: 2000-03-17
 ; PRIOR APPLICATION NUMBER: US 60/200,545
 ; PRIOR FILING DATE: 2000-04-27
 ; PRIOR APPLICATION NUMBER: US 60/200,303
 ; PRIOR FILING DATE: 2000-04-28
 ; PRIOR APPLICATION NUMBER: US 60/200,779
 ; PRIOR FILING DATE: 2000-04-28
 ; PRIOR APPLICATION NUMBER: US 60/218,950
 ; PRIOR FILING DATE: 2000-05-01
 ; PRIOR APPLICATION NUMBER: US 60/202,084
 ; PRIOR FILING DATE: 2000-05-04
 ; PRIOR APPLICATION NUMBER: US 60/206,201
 ; PRIOR FILING DATE: 2000-05-22
 ; PRIOR APPLICATION NUMBER: US 60/222,903
 ; PRIOR FILING DATE: 2000-06-03
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO: 8824
 ; LENGTH: 624
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)...(624)
 ; OTHER INFORMATION: n = g, a, c or t

US-10-057-475B-8824

Query Match 5.2%; Score 433; DB 16; Length 624;
 Best Local Similarity 99.7%; Pred. No. 1; e=211;
 Matches 603; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Qy 4469 TTATTTAGCTTCAATTCTTAAGCAGCTTCAATTAGCTTCAATTGGCT 4528
 Db 624 TTATTTAGCTTCAATTCTTAAGCAGCTTCAATTAGCTTCAATTGGCT 565
 Qy 4589 TTACAGAAAGTCATTCTGAAACGAGGAATGTCGAATTGTTTC 4648
 Db 504 TTACAGAAAGTCATTCTGAAACGAGGAATGTCGAATTGTTTC 903
 Qy 4649 ATACCTTGTGAACTTGGAACCTCCGTTCTACAGCTTCTAT 4708
 Db 444 ATACCTTGTGAACTTGGAACCTCCGTTCTACAGCTTCTAT 385
 Qy 4709 GCTAAACTTGTCTAGCTTCAAGAACTTGTAACTCTGTA 4768
 Db 384 GCTAAACTTGTCTAGCTTCAAGAACTTGTAACTCTGTA 325
 Qy 4769 TGCAACTGTTGAGTGCACAACTCTGAACTTGTTCTATCG 4828
 Db 324 TGCAACTGTTGAGTGCACAACTCTGAACTTGTTCTATCG 265
 Qy 4829 ATTTGGTAAAGTATCCTTGTAGATGG- 4887
 Db 264 ATTTGGTAAAGTATCCTTGTAGATGGTTCTCTGAACTTGTTCTATCG 205
 Qy 4888 GAATGGAAATTCTTCACCTCATATGCAAGTTCAATAATTAGCTTCAAGTGGCT 4947
 Db 204 GAATGGAAATTCTTCACCTCATATGCAAGTTCAATAATTAGCTTCAAGTGGCT 145
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 Qy 5008 CCTTCATGACCTAATTAACTGGTGAATAAGTGAATTCACTGGCTCATCTTA 5067
 Db 84 CCTTCATGACCTAATTAACTGGTGAATAAGTGAATTCACTGGCTCATCTTA 25

PRIOR APPLICATION NUMBER: 60/190,479
 PRIOR FILING DATE: 2000-03-17
 PRIOR APPLICATION NUMBER: 60/200,545
 PRIOR FILING DATE: 2000-04-27
 PRIOR APPLICATION NUMBER: 60/200,303
 PRIOR FILING DATE: 2000-04-28
 PRIOR APPLICATION NUMBER: 60/200,779
 PRIOR FILING DATE: 2000-04-28
 PRIOR APPLICATION NUMBER: 60/200,999
 PRIOR FILING DATE: 2000-05-01
 PRIOR APPLICATION NUMBER: 60/202,084
 PRIOR FILING DATE: 2000-05-04
 PRIOR APPLICATION NUMBER: 60/206,201
 PRIOR FILING DATE: 2000-05-22
 PRIOR APPLICATION NUMBER: 60/218,950
 PRIOR FILING DATE: 2000-07-14
 PRIOR APPLICATION NUMBER: 60/222,903
 PRIOR FILING DATE: 2000-08-03
 PRIOR APPLICATION NUMBER: 60/223,416
 PRIOR FILING DATE: 2000-08-04
 PRIOR APPLICATION NUMBER: 60/223,378
 PRIOR FILING DATE: 2000-08-07
 NUMBER OF SEQ ID NOS: 9597
 SOFTWARE: Fastseq for Windows Version 3.0
 SEQ ID NO: 9029
 LENGTH: 576
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-796-692-9029

Query Match 4.9%; Score 404; DB 9; Length 576;
 Best Local Similarity 99.7%; Pred. No. 1.4e-196; Indels 1; Gaps 1;
 Matches 574; Conservative 0; Mismatches 0; Gaps 1;

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Qy	4577	ATTGTTATTTTACAGAAAGCTTATTTCTTGAACAGAAAGTATCGAATTACA	4636
Db	516	ATTGTTATTTTACAGAAAGCTTATTTCTTGAACAGAAAGTATCGAATTACA	457
Qy	4637	TTAGTTTTCTCATACCCCTTGACTTGCRAATTCCCTTAATAGAACCTGTTCTA	4696
Db	456	TTAGTTTTCTCATACCCCTTGACTTGCRAATTCCCTTAATAGAACCTGTTCTA	397
Qy	4697	CAGCTTCTTATGCTTAACTTGTCTGTTCTGAGTTCTACAGTGTATACTGAA	4756
Db	396	CAGCTTCTTCTGTCTTAACTTGTCTGTTCTGAGTTCTACAGTGTATACTGAA	337
Qy	4757	TGTGTAACCTGTATGCCATCTGGTTATGTGCCAAATCTGATACTTGACGTTAA	4816
Db	336	TGTGTAACCTGTATGCCATCTGGTTATGTGCCAAATCTGATACTTGACGTTAA	277
Qy	4817	TTTTCCTTATCTGATTGGAAAGTATTCCCTTAGATAGGTTTCTTGAAAACTCGGCT	4875
Db	276	TTTTCCTTATCTGATTGGAAAGTATTCCCTTAGATAGGTTTCTTGAAAACTCGGCT	217
Qy	4876	TGAGGGTTGTGATGATGGAAATTCTTCACTTCATTATGCAAGTTCAAAATTAG	4935
Db	216	TGAGGGTTGTGATGATGGAAATTCTTCACTTCATTATGCAAGTTCAAAATTAG	157
Qy	4936	TCTAAGTGGAGTTTAAGGTGACTATGACTTACAAATATGGCTCATTGGCATA	4995
Db	156	TCTAAGTGGAGTTTAAGGTGACTATGACTTACAAATATGGCTCATTGGCATA	97
Qy	4996	CTCATTTGAGTCCTTCATTGACCTAAATTAACTGGAAATTAACTGATTCTG	5055
Db	96	CTCATTTGAGTCCTTCATTGACCTAAATTAACTGATTCTG	37
Qy	5056	GGCTCATCTTAAAGCTTAACTAAAGATTTCAG	5091
Db	36	GGCTCATCTTAAAGCTTAACTAAAGATTTCAG	1

GenCore version 5.1.6									
Copyright (c) 1993 - 2004 Compugen Ltd.									
nucleic - nucleic search, using sw model									
on: May 3, 2004, 15:47:11 ; Search time 358 Seconds (without alignments)									
scoring table: OLIGO_NUC GapOp_60.0 , Gapext 60.0									
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D size : 0									
Maximum DB seq length: 0									
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Post-processing: Listing first 45 summaries									
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5: /cgn2_6/_prodatal2/ina/PECTUS COMB_seq;*									
6: /cgn2_6/_prodatal2/ina/backfiles1.seq;*									
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.									
SUMMARIES									

QY	4727	CAGTTCTAGAGTGTATAAGAACGAATTGATGTCGAACTGTATGCGACTGGTTGAGTG 4786	Db	5807	AAATTACAGAAAGGGGCTTAACCTCGAGTTAALAGCTACTGTAACT 5866
Db	1956	CAGTTCTAGAGTGTATAAGAACGAATTGATGTCGAACTGTATGCGACTGGTTGAGTG 2015	Db	3036	AAATTACAGAAAGGGGCTTAACCTCGAGTTAALAGCTACTGTAACT 3095
QY	4787	GAAACATGTAACATGGCAGCTTAATTTCTATCTGAACTTGGTAGTGTACTCC 4846	Db	5867	GRAGAAGTCTCATTTGAACTACGGCTTCACTTAAAGCTCGACATGACC 5926
Db	2016	GAACAAATCTGAAACATGGCAGCTTAATTTCTATCTGAACTTGGTAGTGTACTCC 2075	Db	3096	GRAGAAGTCTCATTTGAACTACGGCTTCACTTAAAGCTCGACATGACC 3155
QY	4847	TAGATAGTTTCTTGAAACCTGGATGGAGGTGATAATGGTAAAGTGTACTGACT 4906	Db	5927	TTAGACTGTGACTCATTTAAATAGGTATGATAAGTGTACTGACTGGG 5986
Db	2076	TAGATAGTTTCTTGAAACCTGGATGGAGGTGATAATGGTAAAGTGTACTGACT 2135	Db	3156	TTAGACTGTGACTCATTTAAATAGGTATGATAAGTGTACTGACTGGG 3215
QY	4907	TCATTATGCAAGTTTCAATTAGCTTAAGTGTACTGACT 4966	Db	5987	GGAGACTGCCTGCCATCTAGGCCATAGGTCTCTTGTAGGTATTT 6046
Db	2136	TCATTATGCAAGTTTCAATTAGCTTAAGTGTACTGACT 2195	Db	3216	GGAGACTGCCTGCCATCTAGGCCATAGGTCTCTTGTAGGTATTT 3275
QY	4967	TACAAATATGGGCTCTGATTCGGCATACTATTGAGTTCCTTCATGACCTAATT 5026	Db	6047	TACCTATGTTTATGGCTGATCATAAAGCCGCTTATTATCATGATCATCTGAGG 6106
Db	2196	TACAAATATGGGCTCTGATTCGGCATACTATTGAGTTCCTTCATGACCTAATT 2255	Db	3276	TACCTATGTTTATGGCTGATCATAAAGCCGCTTATTATCATGATCATCTGAGG 3335
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QY	5087	TICAGCTGATGAACTTAAAGTGCTGATATAAAAGATCACATCGTGTGATG 5146	Db	6167	GCCTGCTGCCAAATCTAGTGAAACAGTCATGATGAACTTAAAGATCTGTT 6226
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QY	5147	GAGACATTGATCCCTTGTGGTTAAATAATTAAATGATGGAAAAGAGGC 5206	Db	6227	CACTTCCAATTCTAGGTATGACTGTGAAATAACAGAACAGGACTTATGTGATTT 6286
Db	2376	GAGACATTGATCCCTTGTGGTTAAATAATTAAATGATGGTTGAAAGAGGC 2435	Db	3456	GGGCTTGGGGCACTGGGGCTTAGGACACCCAACTGTGAAATTAGAGCAGGAGT 6346
QY	5207	TAGTCTAACATCGTGTCTTAAATTAGCTGTTGACACACACAGGTCTAAC 5266	Db	6287	GGGCTTGGGGCACTGGGGCTTAGGACACCCAACTGTGAAATTAGAGCAGGAGT 6346
Db	2436	TAGTCTAACATCGTGTCTTAAATTAGCTGTTGACACACACAGGTCTAAC 2495	Db	3516	GGGCTTGGGGCACTGGGGCTTAGGACACCCAACTGTGAAATTAGAGCAGGAGT 3575
QY	5267	ATGTCATAAAGAACATACTACTGTTGTTCTATTATGATTCCAAACCTTGTG 5326	Db	6347	GTGGCTTTATAGGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 6406
Db	2496	ATGTCATAAAGAACATACTACTGTTGTTCTATTATGATTCCAAACCTTGTG 2555	Db	3576	GTGGCTTTATAGGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3635
QY	5327	AAGTTTGCACTGGCATCTTGGATTCACTCTGTTGATGTTGTTCTATGAGCTAAC 5386	Db	6407	GCAAATCTCCAAAAGGAAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 6466
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QY	5387	TTTATTCTCTGTCCTTCCTGAAATTGCTGATTGTTGCTCCCTCTACAGATTTAT 5446	Db	6467	CTTTTGACCTCTGTTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTG 6526
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QY	5627	CACTAACAGTCATTGAGGCTGGGAGGCTCCCTTCTGGCTGAACTACATGGCTGTG 5686		Sequence 1, Application US/09211640	
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QY	5687	CTATTGCTTCTACCTGCTCTGGGGCAATGCTGCAAAAGTCCTCCCTGAGTATTTCAGA 5746		; APPLICANT: Craig, Ruth W.	
Db	2916	CTATTGCTTCTACCTGCTCTGGGGCAATGCTGCAAAAGTCCTCCCTGAGTATTTCAGA 2975		; TITLE OF INVENTION: ANTIBODIES WHICH SPECIFICALLY BIND mc1-1	
QY	5747	GGAAAGAACATTATGAGGCTTCTCTAACTTTCTTGTATAGGAGTATGCTCACT 5806		; TITLE OF INVENTION: POLYPEPTIDE	
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				; CORRESPONDENCE ADDRESS:	
				; ADDRESSE: Spensley Horn Jubas & Lubitz	
				; STREET: 1880 Century Park East, Suite 500	
				; CITY: Los Angeles	
				; STATE: California	
				; COUNTRY: USA	
				; 278. 90067	

Db 2556 AAGTTTGGCATTTGGATTTCAGTCCTGATGTTGATGTTCTATCAGCTTAAC 2615
 Qy 5387 TTATTTCCCTGTCTTCCCTGAAATTGGCTGATGTTGCTCCCTCAGCTTAATTT 5446
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 Db 3096 GAAAGAAGTGTCTATGGAAACTGGGTAAACTCGAGTTCAAGT 3155
 Qy 5927 TTAGCTGTGGCATCCATTAAATAAGTGTAAAGATGACTAAGAATGTAATGG 5986
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 Qy 5987 GAAAGACTGCTGCTGCCATCTCAGGCCATAAGTCATCTTGTAGCTTATT 6046
 Db 3216 GAAAGACTGCTGCTGCCATCTCAGGCCATAAGTCATCTTGTAGCTTATT 3275
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RESULT 4
 US-09-378-536-1
 Sequence 1, Application US/09378536-1
 Patent No. 6210763
 GENERAL INFORMATION:
 APPLICANT: Craig, Ruth W.
 TITLE OF INVENTION: ANTIBODIES WHICH SPECIFICALLY BIND mcl-1
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Spensley Horn Jubas & Lubitz
 STREET: 1880 Century Park East, Suite 500
 CITY: Los Angeles
 STATE: California
 COUNTRY: USA
 ZIP: 90067
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/378, 536
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/077, 848
 FILING DATE: 16-JUN-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Haile, Ph.D., Lisa A.
 REGISTRATION NUMBER: 38, 347
 REFERENCE/DOCKET NUMBER: PD-2845
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 455-5100
 TELEFAX: (619) 455-5110
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3946 base pairs
 STRANDBNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 IMMEDIATE SOURCE:
 CLONE: mcl-1
 FEATURES:
 NAME/KEY: CDS
 LOCATION: 61..1110
 OTHER INFORMATION: /note= "When nucleotide 740 = C,
 amino acid 227 = A; when nucleotide 740 = T, amino
 acid 227 = V."
 US-09-378-536-1
 Query Match Score 2818 ; DB 3 ; Length 3946 ;
 Best Local Similarity 100.0% ; Pred. No. 0 ;
 Matches 2868 ; Conservative 0 ; Nismatches 1 ; Indels 0 ; Gaps 0 ;
 Other Information: /note= "When nucleotide 740 = C,
 amino acid 227 = A; when nucleotide 740 = T, amino
 acid 227 = V."
 Qy 3767 GGATGGGTTCTGGACTTCTCCATGGAAAGGACTAGGGTGGCATCAGGAATGTGT 3826
 Db 996 GGATGGGTTCTGGACTTCTCCATGGAAAGGACTAGGGTGGCATCAGGAATGTGT 1055

NAME: Haile, Ph.D., Lisa A.
 REGISTRATION NUMBER: 38 347
 REFERENCE/DOCKET NUMBER: PD-2845
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 455-5100
 FAX: (619) 455-5110
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3946 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 CLONE: mcl-1
 FEATURE: IMMEDIATE SOURCE:
 NAME/KEY: CDS
 LOCATION: 61..1110
 OTHER INFORMATION: /note= "When nucleotide 740 = C,
 amino acid 227 = A; when nucleotide 740 = T, amino
 acid 227 = V."
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 US-09-687-260-1

Query Match	Score 2818;	DB 4;	Length 3946;
Best Local Similarity	100 %;	Pred. No. 0;	
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Db	996 GCGATGGGTTTGTGGAGTTCTTCATAGGACCTAGAAGTGGCATCAGGAATGTGCT 1055		
Qy	3827 GCTGGGTTTGCAGGGTTGTGGAGCTAGGACCTAGGCTGTGGCATATCTATAAGTAGCC 3886		
Db	1056 GCTGGGTTTGCAGGGTTGTGGAGCTAGGACCTAGGCTGTGGCATATCTATAAGTAGCC 1115		
Qy	3887 TTACTGTAAGTCAAACTAGTTGACTTTAACACCCACCCACCAACCAAGCTTAAACCAATT 3946		
Db	1116 TTACTGTAAGTCAAACTAGTTGACTTTAACACCCACCCACCAACCAAGCTTAAACCAATT 1175		
Qy	3947 GCAGTGGACTCCAAGCTGTAACCTGTAACCTGCTAGTTGACCTAGCCGAAAG 4006		
Db	1176 GCAGTGGACTCCAAGCTGTAACCTGCTAGTTGACCTAGCCGAAAG 1235		
Qy	4007 CAAGTGGCAAGGGATTAATACATGGCAACAGTGTCCCATTG 4066		
Db	1236 CAAGTGGCAAGGGATTAATACATGGCAACAGTGTCCCATTG 1295		
Qy	4067 ATTGAGAAGTCACTGTGTGAAGACAAAGTTGAGTTGAGCTGTTAGCCGAAAG 4126		
Db	1296 ATTGAGAAGTCACTGTGTGAAGACAAAGTTGAGCTGTTAGCCGAAAG 1355		
Qy	4127 TCGGAAGCTATGGAGGAGCTTGTAGATTAGTGAAGATGTGTTAGGGTGAAGAATTAA 4186		
Db	1356 TGGGAGCTATGGAGGAGCTTGTAGATTAGTGAAGATGTGTTAGGGTGAAGAATTAA 1415		
Qy	4147 GCCGAATTCAATTATCTACTTAGTGTAGTTGAGCTAGCTAGAAGCTGACCT 4306		
Db	1476 GCCGAATTCAATTATCTACTTAGTGTAGCTAGAAGCTGACCT 1535		
Qy	4307 GTGTAAGTTACAAGTAAGTAAGTGTAGCTAGCTAGTGTAGCTAGTGTAGCTAGTGTAGCT 4366		
Db	1536 GTGTAAGTTACAAGTAAGTAAGTGTAGCTAGTGTAGCTAGTGTAGCTAGTGTAGCTAGTGTAGCT 1595		
Qy	4427 TTTTCCCTCTCTAAATTAGCTTCCAGTATACTCTTAAAGTCAAAGTGTGGAC 4426		
Db	1596 TTTTCCCTCTCTAAATTAGCTTCCAGTATACTCTTAAAGTCAAAGTGTGGAC 1655		
Qy	4442 TTTTATACCTGTTTACTCTTGCTATGATCTACTTTATTACCTTACTTT 4486		

RESULT 5

US-09-687-260-1

Sequence 1, Application US/09617260

Patent No. 6528863

GENERAL INFORMATION:

APPLICANT: Craig, Ruth W.

TITLE OF INVENTION: ANTIBODIES WHICH SPECIFICALLY BIND mcl-1

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: Spensley Horn Juhas & Lubitz

STREET: 1880 Century Park East, Suite 500

CITY: Los Angeles

STATE: California

ZIP: 90067

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/687,260

FILING DATE: 12-Oct-2000

CLASSIFICATION: <unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/378,536

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

RESULT 6
PCT-US94-03547-1

/ Sequence 1, Application PC/TUS9403547

/ GENERAL INFORMATION:
 / APPLICANT: The Johns Hopkins University School of Medicine
 / TITLE OF INVENTION: MYELOID CELL LEUKEMIA ASSOCIATED GENE
 / TITLE OF INVENTION: MCL-1

/ NUMBER OF SEQUENCES: 2

/ CORRESPONDENCE ADDRESS:
 / ADDRESSEE: Spensley Horn Jubas & Lubitz
 / STREET: 1880 Century Park East, Suite 500
 / CITY: Los Angeles
 / STATE: California
 / COUNTRY: USA

/ 21.P: 90067
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / SOFTWARE: PC DOS/MS-DOS
 / SYSTEM: PC-DOS
 / RELEASE: #1.0, Version #1.25

/ CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: PCT/US94/03547
 / FILING DATE: 31-MAR-1994

/ CLASSIFICATION:
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Wetherell, Jr., Ph.D., John W.
 / REGISTRATION NUMBER: 31,678
 / REFERENCE/DOCKET NUMBER: FD-2845
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: (619) 455-5100
 / TELEFAX: (619) 455-5110

/ SEQUENCE CHARACTERISTICS:
 / LENGTH: 3946 base pairs
 / TYPE: nucleic acid
 / STRANDEDNESS: single
 / TOPOLOGY: linear
 / MOLECULE TYPE: DNA (genomic)

/ IMMEDIATE SOURCE:
 / CLINE: mc1-1

/ FEATURE:
 / LOCATION: 61..1110
 / OTHER INFORMATION: /note= "When nucleotide 740 = C,
 / OTHER INFORMATION: amino acid 227 = A; when nucleotide 740 = T, amino
 / OTHER INFORMATION: acid 227 = V."
 PCT-US94-03547-1

Query Match 34.1%; Score 2818; DB 5; Length 3946;
 Best Local Similarity 100.0%; Pred. No. 0; Mismatches 1; Indels 0; Gaps 0;

Matches 2868; Conservative 0;

Qy	3767	GGATGGTGTGAGTTCCATGAGGACCTAGAGGTGCATAGGAAATGTCCT	3826
Db	996	GGATGGTGTGAGTTCCATGAGGACCTAGAGGTGCATAGGAAATGTCCT	1.055
Qy	3827	GCTGCTTTCAGGTCTCTGACTAGAGCTGCTTGGCATATCATAGATGCC	3886
Db	1056	GCTGCTTTCAGGTCTCTGACTAGAGCTGCTTGGCATATCATAGATGCC	1.115
Qy	3887	TTACGTGAACTAGTCAATTAGTCAACTTTAACACCCACACCAAAACCGTTA	3946
Db	1116	TTACGTGAACTAGTCAATTAGTCAACTTTAACACCCACACCAAAACCGTTA	1.175
Qy	3947	GAAGTGGCAAGGAGTTATGGAAATAACAGCTTAACAGGAACTAGCCTAG	4.006
Db	1176	GAAGTGGCAAGGAGTTATGGAAATAACAGCTTAACAGGAACTAGCCTAG	1.235
Qy	4007	CAAGTGGCAAGGAGTTATGGAAATAACAGCTTAACAGGAACTAGCCTAG	4.066
Db	1236	CAAGTGGCAAGGAGTTATGGAAACTCATAGCTGTCATATAAAGATCACATGGTGGATGGA	1.295

4067 ATTGAAAGTCACTGCTGAAAGAAGCAAGTTAGTCAAGCAACAAACTTGTT 4.126
 Db 1296 ATTGAAAGTCACTGCTGAAAGAAGCAAGTTAGTCAAGCAACAAACTTGTT 1.355

Qy 4127 TGGAAAGCTATGGAGGGACTTTAGATTAGTGAATGGTAGGTTGAAAGACTTAA 4.186
 Db 1356 TGGAAAGCTATGGAGGGACTTTAGATTAGTGAATGGTAGGTTGAAAGACTTAA 1.415

4.187 TTCCCTGTTAGAAGAAGGAAAGTCCAGTCAAGTGGCTTACGTTACCCC 4.246
 Db 1416 TTCCCTGTTAGAAGAAGGAAAGTCCAGTCAAGTGGCTTACGTTACCCC 1.475

4247 GCCGAATTCAATTACTAGTAGTGTAAAGGAACTAAAGATGCCAGTGACCT 4.306
 Db 1476 GCGGAATTCAATTACTAGTAGTGTAAAGGAACTAAAGATGCCAGTGACCT 1.535

4307 GTGTAAGTTACAAGTAATAAGTAACTATGACTGTGAAAGCTTCAACTGGAGGC 4.366
 Db 1536 GTGTAAGTTACAAGTAATAAGTAACTATGACTGTGAAAGCTTCAACTGGAGGC 1.595

4367 TTTCCTCTCTCTAAATTAGCTTCCCTGATACTTTAGAAGTCAGTGTGAGGAC 4.426
 Db 1596 TTTCCTCTCTCTAAATTAGCTTCCCTGATACTTTAGAAGTCAGTGTGAGGAC 1.655

4427 TTTPAACCTTATACTTGGCTGTTCACTTTAGCCTACTTATAGCCTACTTAT 4.486
 Db 1656 TTTPAACCTTATACTTGGCTGTTCACTTTAGCCTACTTATAGCCTACTTAT 1.715

4487 CACCAATAACTTGGGAGGCTGTTAACTTGAATACTGATATCCATTCAATT 4.546
 Db 1716 CACCAATAACTTGGGAGGCTGTTAACTTGAATACTGATATCCATTCAATT 1.775

4547 TAAAGACAGCTGTAAATGTTGAAATTGTATATTGTATATTTACAGAAAGTCATT 4.606
 Db 1776 TAAAGACAGCTGTAAATGTTGAAATTGTATATTGTATATTTACAGAAAGTCATT 1.835

4607 CCTTGAACAGGAGGAGTCACTTGAATTACATTAGTTTTCATACCCFTTGACTTGG 4.666
 Db 1836 CTTTGAACAGGAGGAGTCACTTGAATTACATTAGTTTTCATACCCFTTGACTTGG 1.895

4667 CAACTCCGTAATTAGGAACCTGTTTCAAGCTTTCATGCTAAACTTGTCTGTT 4.726
 Db 1896 CAACTCCGTAATTAGGAACCTGTTTCAAGCTTTCATGCTAAACTTGTCTGTT 1.955

4727 CAGTTCTGAGCTGTATACAGAACGAAATTGATGTTGAACTGTATGCAACTCGGTGACTG 4.786
 Db 1956 CAGTTCTGAGCTGTATACAGAACGAAATTGATGTTGAACTGTATGCAACTCGGTGACTG 2.015

4786 TCATTATGCAAGTTCAATTAATTCTATGTTGAACTGTATGCAACTCGGTGACTG 4.816
 Db 2016 GAACAAATGCAACTATGAGGTTAATTCTATGTTGAACTGTATGCAACTCGGTGACTG 2.075

4847 TAGATGGTTCTTGAACCTGGATGAGGTGATGATGAAATTCTTCACT 4.906
 Db 2076 TAGATGGTTCTTGAACCTGGATGAGGTGATGATGAAATTCTTCACT 2.135

4907 TCATTATGCAAGTTCAATTAATTCTATGTTGAACTGTATGCAACTCGGTGACTG 4.966
 Db 2136 TCATTATGCAAGTTCAATTAATTCTATGTTGAACTGTATGCAACTCGGTGACTG 2.255

5027 TAATCTGTAATTGAAATTCTGGAACTTCATCTTAAAGCTTCACT 5.086
 Db 2256 TAATCTGTAATTCTGGAACTTCATCTTAAAGCTTCACT 2.315

5087 TCAGCTGAACTGGAAACTCATAGCTGTCATATAAAGATCACATGGTGGATGGA 5.146
 Db 2316 TCAGCTGAACTGGAAACTCATAGCTGTCATATAAAGATCACATGGTGGATGGA 2.375

5147 GAGACATTGAAACCCTGGTTGTTGTTGTTGTTAATAATTATGCGCTTGAAAGCAGG 5206
 2376 GAGACATTGAACTCCATCTGGCTTGTGTTGTTGTTAATAATTATGCGCTTGAAAGCAGG 2435
 5207 TAGTCRACCAAGGGTGTATATTAGGGTGTGTACAACAGCTTAGCTAG 5266
 2436 TAGTCRACCAAGGGTGTATATTAGGGTGTGTACAACAGCTTAGCTAG 2495
 5267 ATGCTAAAGGAAACTACTACTGTTGTTCTATTAATGATTCACACGGTCTAACAGGTTAGCTAG 5326
 2496 ATGCTAAAGGAAACTACTACTGTTGTTCTATTAATGATTCACACGGTCTAACAGGTTAGCTAG 2555
 Db 3456 CACTTCCAATTATTAGGTATACTGGAAATAACACAAGGACTTGGAA 37515
 Qy 6287 GGCGCTTGGCAGTGAAGGCTTAGAACCCCCAGTCTTGGAAAGCAGGGGAGTC 6346
 Db 3516 GGCGCTTGGCAGTGAAGGCTTAGAACCCCCAGTCTTGGAAAGCAGGGGAGTC 3575
 Qy 6347 GGGGTTTAAAGGGGAGGGAGCAAGTGTGTAAATGCTGACTGGTAGTTCG 6406
 Db 3576 GGGGTTTAAAGGGGAGGGAGCAAGTGTGTAAATGCTGACTGGTAGTTCG 3635
 Qy 6407 GCAAATCTCCAAAAGGAAAGGGGAGGATTGGTTAGGAGATGGGGCTCCAGTGACTA 6466
 Db 3636 GCAAATCTCCAAAAGGAAAGGGGAGGATTGGGGCTCCAGTGACTA 3695
 Qy 6467 CTTTTCGACTCTGTTGCTAGCTCTCAGGAAACATGGAGTCCTCTAGCT 6526
 Db 3596 CTTTTCGACTCTGTTGCTAGCTCTCAGGAAACATGGAGTCCTCTAGCT 3755
 Qy 6527 TICATGACATCTGTTGCTAGCTCTCAGGAAACCTGGTTAACCGCTGACTTGA 6586
 Db 3756 TICATGACATCTGTTGCTAGCTCTCAGGAAACCTGGTTAACCGCTGACTTGA 3815
 Qy 6587 TAGCTGTCCAGGAAGGGTAGGCCAACTGAAATTAAATGTTGGTTGT 6635
 Db 3816 TAGCTGTCCAGGAAGGGTAGGCCAACTGAAATTAAATGTTGGTTGT 3864

RESULT 7
 US-09-102-705-403/c
 Sequence 403, Application US/09702705
 i Patent No. 65404010

; GENERAL INFORMATION:
 ; APPLICANT: Wang, Tongtong
 ; APPLICANT: Bangur, Michael A.
 ; APPLICANT: Fanger, Gary
 ; APPLICANT: Vedwick, Tom
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Retter, Marc
 ; APPLICANT: Mannion, Jane
 ; APPLICANT: Pan, Liqun
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE REFERENCE: 210121.47814
 ; CURRENT APPLICATION NUMBER: US/09/702,705
 ; NUMBER OF SEQ ID NOS: 1833
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO: 403
 ; LENGTH: 440
 ; TYPE: DNA
 ; ORGANISM: Homo sapien
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1...440)
 ; OTHER INFORMATION: n = A, T, C or G
 US-09-102-705-403

Query Match 1.7%; Score 138; DB 4; Length 440;
 Best Local Similarity 99.5%; Pred. No. 4.4e-51; Indels 0; Gaps 0;
 Matches 188; Conservative 0; Mismatches 0;

Qy 6363 GGAGGAGGCAGCTGGCTTAAGTGTCTGAGTTCGGCAAACTCTCCAAAG 6422
 Db 213 GGAGGAGGCAGCTGGCTTAAGTGTCTGAGTTCGGCAAACTCTCCAAAG 154
 Qy 6423 GGAAAGGGAGGATTGGTAGAGGGCTTGGCTCCAGGTGACTTGGTCTGTT 6482
 Db 153 GGAAAGGGAGGATTGGTAGAGGGCTTGGCTCCAGGTGACTTGGTCTGTT 94
 Qy 6483 TGCTCTAGCTCTCAGGGAAAAACATGCACTGGCTCTAGTGTGACATTCTGT 6542

Qy 6047 TACCTGTATTTATGTTGATATACTGATCTCTAAGCTCTAAGGCTTAAGG 6106
 Db 3276 TACCTGTATTTATGTTGATATACTGATCTCTAAGGCTTAAGGCTTAAGG 3335
 Qy 6107 ACCTAAAGGACTTTATGTTGATTTAATTAATCTAAAGATCTGGTACGGTAATCTAAA 6166
 Db 3336 ACTAAAGGACTTTATGTTGATTTAATTAATCTAAAGATCTGGTACGGTAATCTAAA 3395
 Db 6167 GCTGTCTGCCTGAACTCAGTGAAGAACAGTGTATGTTGAAATGGCTGGCCC 6226
 Qy 6226 GCTGTCTGCCTGAACTCAGTGAAGAACAGTGTATGTTGAAATGGCTGGCCC 3455
 Db 3396 GCTGTCTGCCTGAACTCAGTGAAGAACAGTGTATGTTGAAATGGCTGGCCC 6296

Db 93 TGTCTTACGTTCTCAGGAAAATGAGTCCTCTAGTTCATGACATTGT 34
 Qy 6543 GGGGGTGA 6551
 Db 33 GGGGGTGA 25

RESULT 8
 US-09-736-457-403/C
 Sequence 403, Application US/09736457
 Patent No. 6509418
 GENERAL INFORMATION:
 APPLICANT: Wang, Tongtong
 APPLICANT: Bangur, Chaitanya S.
 APPLICANT: Lodes, Michael A.
 APPLICANT: Panger, Gary
 APPLICANT: Vedrick, Tom
 APPLICANT: Carrier, Darrick
 APPLICANT: Reitter, Marc
 APPLICANT: Mannion, Jane
 APPLICANT: Fan, Liqun
 APPLICANT: Wang, Ajun
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 FILE REFERENCE: 210121-478C15
 CURRENT APPLICATION NUMBER: US/09/736,457
 CURRENT FILING DATE: 2000-12-13
 NUMBER OF SEQ ID NOS: 1864
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 403
 LENGTH: 440
 TYPE: DNA
 ORGANISM: Homo sapien
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1) -(440)
 OTHER INFORMATION: n = A,T,C or G
 US-09-736-457-403

Query Match 1.7%; Score 138; DB 4; Length 440;
 Best Local Similarity 99.5%; Pred. No. 4.e-54;
 Matches 188; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 6363 GGAGGGGGACGGTGGCTAAGTGCCTGACTGGCTACGTAGTCGGCTAAATCCCTCCAAAAG 6422
 Db 213 GGAGGGGGAGGTGGCTAAGTGCCTGACTGGCTACGTAGTCGGCTAAATCCCTCCAAAAG 154
 Qy 6423 GGAAGGGAGGATTGCTCTAGAAGATGGGGCTCCAGNGACTACTTTGACTCTGT 6482
 Db 153 GGAAGGGAGGATTGCTCTAGAAGATGGGGCTCCAGNGACTACTTTGACTCTGT 94
 Qy 6483 TGTCTTACGCTTCTCTAGGAAAAATGAGTCCTCTAGTGTTCAGTGACATTCTGT 6542
 Db 93 TGTCTTACGCTTCTCTAGGAAAAATGAGTCCTCTAGTGTTCAGTGACATTCTGT 34
 Qy 6543 GGGGGTGA 6551
 Db 33 GGGGGTGA 25

RESULT 10
 US-09-671-325-403/C
 Sequence 403, Application US/09671325
 Patent No. 6667154
 GENERAL INFORMATION:
 APPLICANT: Wang, Tongtong
 APPLICANT: Bangur, Chaitanya S.
 APPLICANT: Lodes, Michael A.
 APPLICANT: Panger, Gary
 APPLICANT: Vedrick, Tom
 APPLICANT: Carrier, Darrick
 APPLICANT: Reitter, Marc
 APPLICANT: Mannion, Jane
 APPLICANT: Fan, Liqun
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 FILE REFERENCE: 210121-478C12
 CURRENT APPLICATION NUMBER: US/09/671,325
 CURRENT FILING DATE: 2000-09-26
 NUMBER OF SEQ ID NOS: 1855
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 403
 LENGTH: 440
 TYPE: DNA
 ORGANISM: Homo sapien
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1) -(440)
 OTHER INFORMATION: n = A,T,C or G
 US-09-671-325-403

Query Match 1.7%; Score 138; DB 4; Length 440;
 Best Local Similarity 99.5%; Pred. No. 4.e-54;
 Matches 188; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

RESULT 9
 US-09-614-124B-403/C
 Sequence 403, Application US/09614124B
 Patent No. 6630574
 GENERAL INFORMATION:
 APPLICANT: Wang, Tongtong
 APPLICANT: Bangur, Chaitanya S.
 APPLICANT: Lodes, Michael A.
 APPLICANT: Panger, Gary
 APPLICANT: Vedrick, Tom
 APPLICANT: Reitter, Marc
 APPLICANT: Mannion, Jane

RESULT 11
 US-09-589-184-403/c
 ; Sequence 403, Application US/09589184
 ; Patent No. 6606447
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, Tongtong
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
 ; DIAGNOSIS OF LUNG CANCER
 ; FILE REFERENCE: 210121..47828
 ; CURRENT APPLICATION NUMBER: US/09/589.184
 ; NUMBER OF SEQ ID NOS: 827
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO 403
 ; LENGTH: 40
 ; TYPE: DNA
 ; FEATURE: ORGANISM: Homo sapiens
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)..(440)
 ; OTHER INFORMATION: n = A,T,C or G
 ; US-09-589-184-403

Query Match 1.7%; Score 138; DB 4; Length 440;
 Best Local Similarity 99.5%; Pred. No. 4.4e-54;
 Matches 188; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 6363 GGAGGAGGAGGTGGCTTAAGTGCTACTGGCTACTACGTTGCGCAAAATCCTCCAAAAG 6422
 Db 213 GGAGGAGGAGGTGGCTTAAGTGCTACTGGCTACTACGTTGCGCAAAATCCTCCAAAAG 154

Qy 6423 GAAAGGGAGGATTTGGTGAAGGGTGGCTCCAGTGACTACTTTGACTCTGT 6482
 Db 153 GAAAGGGAGGATTTGGTGAAGGGTGGCTCCAGTGACTACTTTGACTCTGT 94

Qy 6483 TGCTCTTACGCTCTCTAGGGAAAAACATGGAGTCCTCTAGTTGTTCATACATTCTGT 6542
 Db 93 TGCTCTTACGCTCTCTAGGGAAAAACATGGAGTCCTCTAGTTGTTCATACATTCTGT 34

Qy 6543 GGGGGTGA 6551
 Db 33 GGGGGTGA 25

RESULT 12
 US-09-621-976-8239
 ; Sequence 8239, Application US/09621976
 ; Patent No. 6639063
 ; GENERAL INFORMATION:
 ; APPLICANT: Dumas Milne Edwards, J.Y.
 ; TITLE OF INVENTION: ESTs and Encoded Human Proteins.

RESULT 13
 US-09-621-976-3389/c
 ; Sequence 3389, Application US/09621976
 ; Patent No. 6639063
 ; GENERAL INFORMATION:
 ; APPLICANT: Jobert, S.
 ; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
 ; FILE REFERENCE: GENSET 054PR2
 ; CURRENT APPLICATION NUMBER: US/09/621.976
 ; NUMBER OF SEQ ID NOS: 19335
 ; SOFTWARE: Patent.ppm
 ; SEQ ID NO 3389
 ; LENGTH: 566
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE: NAME/KEY: CDS
 ; LOCATION: 22..345

Query Match 0.9%; Score 73; DB 4; Length 566;
 Best Local Similarity 100.0%; Pred. No. 7.8e-44;
 Matches 73; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6423 GAAAGGGAGGATTTGGTGAAGGGTGGCTCCAGTGACTACTTTGACTCTGT 6482
 Db 153 GAAAGGGAGGATTTGGTGAAGGGTGGCTCCAGTGACTACTTTGACTCTGT 94

Qy 6483 TGCTCTTACGCTCTCTAGGGAAAAACATGGAGTCCTCTAGTTGTTCATACATTCTGT 6542
 Db 93 TGCTCTTACGCTCTCTAGGGAAAAACATGGAGTCCTCTAGTTGTTCATACATTCTGT 34

Qy 6543 GGGGGTGA 6551
 Db 33 GGGGGTGA 25

RESULT 14
 US-09-621-976-1689/c
 ; Sequence 1689, Application US/09621976
 ; Patent No. 6639063
 ; GENERAL INFORMATION:
 ; APPLICANT: Dumas Milne Edwards, J.B.
 ; TITLE OF INVENTION: ESTs and Encoded Human Proteins.

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; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO: 1689
; LENGTH: 506
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 28..324
; NAME/KEY: sig_peptide
; LOCATION: 28..264
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 5
; OTHER INFORMATION: seq LFTSFTVILQLQAIW
US-09-621-976-1689

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Query Match          0.7%; Score 57; DB 4; Length 506;
Best Local Similarity 100.0%; Prod. No. 2.2e-16; Indels 0; Gaps 0;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy   161 TGTCAGGCTCTGAAGCCAGCCAGGCTATCGCATCCCTGACTGCACCTATAAC 217
Db   329 TGTCAGGCTCTGAAGCCAGCCAGGCTATCGCATCCCTGACTGCACCTATAAC 273

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RESULT 15

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US-09-833-381-1017/c
; Sequence 1617, Application US/09833381
; Patent No. 6672186

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GENERAL INFORMATION:

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; APPLICANT: Robison, Keith E. 6672186el Nucleic Acid and Protein Homologs
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29

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; NUMBER OF SEQ ID NOS: 2050

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO: 1017

; LENGTH: 629

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1) -(639)

; OTHER INFORMATION: n = A,T,C or G

US-09-833-381-1017

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Query Match          0.7%; Score 57; DB 4; Length 629;
Best Local Similarity 100.0%; Prod. No. 2.2e-16; Indels 0; Gaps 0;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 161 TGTCAGGCTCTGAAGCCAGCCAGGCTATCGCATCCCTGACTGCACCTATAAC 217

Db 411 TGTCAGGCTCTGAAGCCAGCCAGGCTATCGCATCCCTGACTGCACCTATAAC 355

Search completed: May 3, 2004, 17:20:09
Job time : 364 secs